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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 12

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Application Number	10/591,730
Filing Date	February 26, 2007
First Named Inventor	Dong-Seok Suh
Art Unit	1724
Examiner Name	Arun S. Phasge
Attorney Docket Number	21724-003US1

U. S. PATENT DOCUMENTS					
Examiner Initials ¹	City No. ²	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ³ (if known)			
		US- 4585652	04-29-1986	Müller et al.	
		US- 5079674	01-07-1992	Francis P. Malaspina	
		US- 5429893 A	07-04-1995	George Thomas	
		US- 5518836	05-21-1996	Francis P. McCullough	
		US- 5705259	01-06-1998	Mrotek et al.	
		US- 6261469	07-17-2001	Zakhidov, et al.	
		US- 6493210	12-10-2002	Nonaka, et al.	
		US- 2003/0211637	11-13-2003	Schoeniger et al.	
		US- 6795293	09-21-2004	Timonov et al.	
		US- 7061749	06-13-2006	Liu et al.	
		US- 7167355	01-23-2007	Zheng Chen	
		US- 7541715	06-02-2009	Chang, et al.	
		US- 7897030	03-01-2011	Suh, et al.	
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FOREIGN PATENT DOCUMENTS					
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
		WO 2004/009884	01-29-2001	Rinzler, et al.	

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NON PATENT LITERATURE DOCUMENTS

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		AREPALLI, et al; "Carbon-Nanotube-Based Electro-chemical Double-Layer Capacitor Technologies for Spaceflight Applications"; JOM, December 2005; pp. 26-31	
		FRACKOWIAK, E., et al; "Carbon Materials for the Electrochemical Storage of Energy in Capacitors"; Carbon; July 2000; pp. 937-950	
		HUGHES, M., et al; "Electrochemical Capacitance of a Nanoporous Composite of Carbon Nanotubes and Polypyrrole; Chemical Materials, Vol 14, February 2002; pp. 1610-1613	
		KHOMENKO, V., et al; "Determination of the Specific Capacitance of Conducting Polymer/Nanotubes Composite Electrodes using Different Cell Configurations; Electrochimica Acta, Vol. 50, December 2004; pp. 2489-2506	
		LEWIS, T.D.; "Interfaces are the Dominant Feature of Dielectrics at the Nanometric Level"; IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 11, No. 5; October 2004; pp. 739-753	
		SUNG, et al.; "Fabrication of all-solid-state Electrochem-ical Microcapacitors"; Journal of Power Sources, Vol. 133; April 2004; pp. 312-319	
		2004	

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		ALBERTI, G. et al., "Solid State Protionic Conductors, Present Main Applications and Future Prospects"; Solid State Ionics, Vol. 145, pp. 3-16; 12/01/2001; Elsevier Science; NL	
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		BAUGHMAN, R.H. "Muscles Made from Metals"; Science 300, 04/11/2003; pp 268-269; American Association for the Advancement of Science, Washington, DC; US	
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		BAUGHMAN, R.H. et al., "Carbon Nanotube Actuators"; Science 284, 05/21/1999; pp 1340 -1344; American Association for the Advancement of Science, Washington, DC; US	

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		BAUGHMAN, R.H., "Conducting Polymer Artificial Muscles"; Synthetic Metals 78, no month, 1996, pp 339-353; Elsevier Science B.V.; Amsterdam, The Netherlands	
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		DAI, Hongjie; "Carbon Nanotubes: Synthesis, Integration, and Properties" Accounts Chemical Research 35, pp 1035-1044; August 7, 2002; American Chemical Society, US	
		DUAN, et al, "General Synthesis of Compound Semiconductor Nanowires"; Advanced Materials Vol. 12, No. 4; pp 298-302; no month, 2000WILEY-VCH Verlag GmbH; DE	
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		GOFFER, Y. et al., "An all-polymer charge storage device"; Applied Physics Letters 71, pp 1582-1584; September 15, 1997; American Institute of Physics; US	

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		GOLDBERGER, J. et al.; "Single-crystal gallium nitride nanotubes"; Nature Vol 422, pp 599-602; April 10, 2003; Nature Publishing Group; Macmillan Publishers Ltd.; US	
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		JÖRISAN, L. et al.; "New membranes for direct methanol fuel cells"; J. Power Sources Vol. 105, pp. 267-273; Elsevier Science B.V.; NL (2002) no month	

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		KIM, P. et al., "Thermal Transport Measurements of Individual Multiwalled Nanotubes"; Phys. Rev. Letters Vol. 87, Number 21; pp 215502-1 to 215502-4; November 19, 2001; The American Physical Society; US	
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		LIN, C.L. et al., "Proton-induced hole-doping effect in (Y _{sub} 0.5Ca _{sub} 0.5)Ba _{sub} 2Cu _{sub} 3O _{sub} (sub) ⁴ films"; Applied Physics Letters 71, pp 3284-3286; December 1, 1997; American Institute of Physics; US	

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09/26/2011

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/591,730
Filing Date	February 26, 2007
First Named Inventor	Dong-Seok Suh
Art Unit	1724
Examiner Name	Arun S. Phasge
Attorney Docket Number	21724-003US1

Sheet 9 of 12

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		MAYER, B.T. et al.; "Sonochemical Synthesis of Trigon-al Selenium Nanowires"; Chemistry of Materials 15; pp 3852-3858; August 19, 2003; American Chemical Society; US	
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Art Unit	1724
Examiner Name	Arun S. Phasge
Attorney Docket Number	21724-003US1

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		RAJESH, B. et al.; "Pt-WO3 supported on carbon nano-tubes as possible anodes for direct methanol fuel cells"; Fuel 81, pp 2177-2190; July 9, 2002; Elsevier Science B.V.; Amsterdam, The Netherlands	
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		SOUNDARRAJAN, P. et al.; "Surface modification of aligned carbon nanotube arrays for electrochemical sensing applications"; in J. Vac. Sci. Technology A 21, pp 1198-1201, July/Aug 2003; American Vacuum Society; US	

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Application Number	10/591,730
Filing Date	February 26, 2007
First Named Inventor	Dong-Seok Suh
Art Unit	1724
Examiner Name	Arun S. Phasge
Attorney Docket Number	21724-003US1

Sheet 11

of

12

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		STROLL, M. et al.; "Electrochemical and Raman mea-surements on single-walled carbon nanotubes"; Chemical Physics Letters 375; pp 625-631; no month, 2003; Elsevier Science B.V.; Amsterdam, The Netherlands	
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Art Unit	1724
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		WU, Y. et al.; "Single Crystalline Nanowires of Lead Can Be Synthesized through Thermal Decomposition of Lead Acetate in Ethylene Glycol"; Nano Letters Vol. 3, No. 8; pp 1163-1166; June 26, 2003; American Chemical Society; US	
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		ZHANG, Y. et al.; "Electric-field-directed growth of aligned single-walled carbon nanotubes"; Applied Physics Letters 79, 3155-3157; November 5, 2001; American Institute of Physics; US	

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